

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

S M GAS PRODUCTION

3. ADDRESS OF OPERATOR

PO BOX 2165, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

600 from north & 657 from west line Sec. 13

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 miles north east of Cisco, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 600
(Also to nearest drilg. unit line, if any)

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 1320

19. PROPOSED DEPTH

1800 SETW

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4585 Gr.

22. APPROX. DATE WORK WILL START*

April 28, 1991

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	7 5/8"	32#	160	40
5 5/8"	2 7/8"	6.5#	1500	40

RECEIVED

APR 01 1991

DIVISION OF
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Galen Helms

TITLE

Geologist, Agent

DATE

March 23, '91

(This space for Federal or State office use)

PERMIT NO.

43-019-31315

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE: *4/10/91*

BY: *[Signature]*

WELL SPACING: *Case 102-16B*

11/15/79

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

GLO BC
(1910)

S. 89° 47' W. (GLO)

N. 00° 13' 45" W.

657'

LOT 4

600'

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GLO BC
(1910)

SEC. 3

T20S, R24E
SLM



1000 0 1000

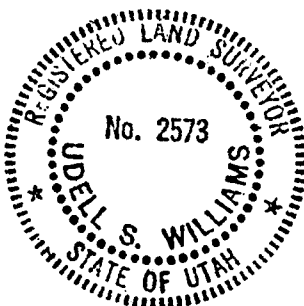
SCALE: 1" = 1000'

S&M 3-1A ✓

Located 600 feet from the North line and 657 feet
from the West line of Section 3, T20S, R24E, SLM.

Elev. 4585

Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED
FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR
UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE
AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

Udell S. Williams
Utah RLS No. 2573



UDELL S. WILLIAMS
Professional Land Surveyor
751 Rood Avenue (303) 243-4594
Grand Junction, Colorado 81501

PLAT OF
PROPOSED LOCATION
S&M 3-1A
LOT 4 SECTION 3
T20S, R24E, SLM

SURVEYED BY: USW DATE: 3/17/91
DRAWN BY: USW DATE: 3/18/91

DRILLING AND SURFACE USE PLAN

S M GAS PRODUCTION

WELL NAME; GOVERNMENT 3 - 1 ^{W W}A

LEGAL DESCRIPTION; NE ^{W W}NE SECTION 3, T.20 S;R.24 E.
GRAND COUNTY, UTAH

All lease operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order #1, and the approved plan of operations. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to ensure compliance.

A.) DRILLING PROGRAM

1.) Surface formation and estimated formation tops:

Mancos Shale: 0-'1350'
Dakota : 1350'
Morrison : 1550'
Salt Wash : 1800

2.) Estimated depth at which oil, gas or water producing zones are expected to be encountered:

	Formation	Depth
Oil Zones:	B. Basin - Morrison	1350-1450
	Salt Wash	1800-1850
Gas Zones:	Dakota	1500-1550
Water Zones:	Dakota	1450

3.) Pressure Control Equipment: Drill hole will be equipt with a "Regan Torus" 3000 psi. Annular BOP together with a set of pipe and blind rams and sufficient accumulator.

1 choke line manifold consisting of 2 - 2" valves, 2" chokes and a 2" kill line directed into the reserve pit. Choke manifold will be equipt with a pressure gauge.

Float subs will be used in the drill string. Upper kelly cock valve will also be in place.

In the event the BOP or BOPE requires repair after testing, this work will be preformed prior to drilling out from under surface casing.

If the BOP or BOPE equipment cannot function to secure hole during drilling, the well will be contained using either 10# Salt Water Brine, cement or other means which will assure safe well conditions.

BOP system will be consistent with APT RP 53. Pressure tests will be conducted before drilling out from under any casing string which has been cemented in place. BOP controls will be installed prior to drilling the surface casing plug and will remain in place until the well is completed or abandoned. BOP will be inspected and operated daily to ensure good mechanical working condition. Inspections will be noted in drillers reports.

4.) Casing Program:

Surface casing: 160 ft. with 40 sacks cement.

Production casing: 1500 ft. with 40 sacks cement.

5.) Mud and circulating medium : Well will be air or air/mist drilled. Adequate mud reserve tank and pump will be on location in the event it becomes necessary to mud drill.

6.) Coring, Logging and Testing program: No logs are anticipated. Samples will be caught and recorded in 10 ft. intervals beginning at approx. 650 ft.

Whether the hole is completed as a " Dry Hole " or " producer ", a " Well Completion and Recompletion Report " (form 3160-4) will be submitted to the District Office within 30 days of completion of drilling activities, in accordance with 43 CFR 3164. Two copies of all logs, if any, well test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled will be submitted with form 3160-4.

7.) Abnormal conditions, Bottom Hole Pressures and Potential Hazards : No H₂S has been encountered in the area and is not anticipated. BOP and BOPE is of adequate nature to control the maximum pressures expected.

8.) Anticipated Starting Dates and Notifications:

Required verbal notifications are summarized in table #1, attached. Written notifications in the form of a Sundry notice (form 3160-5) will be submitted to the District Office within 24 hours after spudding (weekends and holidays excepted).

In accordance with Onshore Oil and Gas Order #1, this well will be reported on Form 9-329, " Monthly Report of Operations ", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Minerals Management Service as required.

IMMEDIATE REPORTS:

Spills, blowouts, fires, leaks, accidents, or other unusual occurrences shall be promptly reported to the Grand Resource area

in accordance with requirements of NTL-3A.

In the event the well is completed as an oil or gas well the District manager shall be notified in writing within five working days of said well being placed into production.

A " Subsequent Report of Abandonment " (Form 3160-5) will be filed with the District manager within 30 days following completion of the well for abandonment. This report will indicate where plugs were set and the current status of surface reclamation work required by the approved "APD" or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50mmcf. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped.

THIRTEEN POINT SURFACE USE PLAN

1.) Existing Roads:

A.) Location of proposed well in relation to the closest town or other reference point: Approximately 8 miles Northeast of Cisco, Utah.

B.) Proposed Access Route: Exit Hwy. 6 & 50 at a point East of Cisco onto a county road to Operators Right of Way # 54703 to the proposed location.

C.) Road Maintenance or Improvement Plans: Operator presently maintains the exiting Right of way and access roads as required. Construction of a short access road will be required from the existing R.O.W. to the location. In the event production is established this road will be upgraded to meet B.L.M. requirements. If the well is dry holed this road and location will be reclaimed as required.

D.) Other: Location may require slight leveling. All, if any, surface soil removed from location will be stockpiled on the West edge of the location.

2.) Planned Access Roads:

A.) The maximum total disturbance width will be 12 feet.

B.) Maximum Grade: minimal

C.) Drainage: As required to ensure road integrity.

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area manager in advance.

Location of Existing Wells: CLAYTON #2 NW /NE, SEC. 4, T.20 S; R. 24 E.4.)

Production Facilities:

All permanent structures constructed or installed will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities shall be painted within six months of installation. Facilities required to comply with OSHA may be excluded. The present recommended color is SLATE GRAY.

If a tank battery is constructed on the lease, it will be surrounded by a dike of sufficient capacity to contain 1/2 times the storage capacity of the largest tank in the battery.

All load lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in Onshore Order #3 will be adhered to.

All off lease storage, gas measurement or commingling will have prior approval from the District manager.

All product lines entering or leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flow lines between the wellhead and meter run and from the meter run to a point off the well pad shall be buried. Meter runs shall be housed.

The oil and gas measurement facilities shall be located on the wellsite. The measurement facilities shall be calibrated in place prior to any deliveries. All meters shall be tested monthly for the first three months of production and every 90 days thereafter to ensure accuracy. The Grand Resource Area shall be notified, verbally, of the initial calibration test, and subsequent initial testing, prior to such testing. A copy of the calibration tests shall be provided to the Area manager upon request. All measurement facilities shall conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5.) Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from:
The Colorado River at Fish Ford.

Water permits, as required, shall be obtained from the appropriate agency, private land owner or the Utah Division of Water Rights.

6.) Source of Construction Material:

Pad construction material will be obtained from the staked location. The use of materials under B.L.M. jurisdiction will conform to 43 CFR 3610.1-3.. The source of construction material will be located on lease.

7.) Methods of Handling Waste Disposal:

All drilling cuttings and fluids shall be contained in an unlined pit located approximately 100 ft. from the drill hole. Three sides of the reserve pit shall be fenced prior to drilling out from under surface casing. Unless this pit is needed for and included as part of the permanent production facility it shall be filled and reclaimed as soon as possible after drilling activities end. If the pit is to be used as part of the production facility the fourth side shall be fenced and the required Sundry notice requesting permission for such produced waste water reserve pits shall be submitted to the District Office, in accordance with Onshore Order #3 (NTL-2B).

All trash shall be contained in a trash cage and removed at the end of the drilling program.

If burning is required, a permit shall be obtained from the State Fire Warden at 1-801-259-6316.

8.) Ancillary Facilities:

Camp facilities will not be required.

9.) Well Site Layout:

SEE ATTACHED DIAGRAM.

10.) Restoration Plans:

Immediately upon completion of drilling, the location and surrounding area will be cleared of all remaining debris, materials, trash and junk not required for production. All disturbed areas will be recontoured to the approximate natural contours. The stockpiled soil, if any, will be evenly distributed over the disturbed area.

Prior to seeding all disturbed areas will be scarified and left with a rough surface. Seed will be broadcast at a time specified by the B.L.M.. The seed mixture to be used shall be that which is recommended by the B.L.M.. All disturbed areas not need for production facilities shall also be reseeded.

11.) Surface and Mineral Ownership:

Proposed drill site is located on Federal Lease # U-15054.
S & M PRODUCTION is the Lessee and Operator of record.

12.) Other Information:

There will be no deviation from the proposed drilling program without the prior written approval of the District Manager. All drilling and completion activities shall be conducted in a safe and diligent manner. All wells drilling, producing or abandoned shall be properly identified in accordance with 43 CFR 3164.
" Sundry Notice and reports on wells " (form 3160-5) will be filed for approval for all changes of plans or other operations in accordance with 43 CFR 3164.

All subcontractors shall be provided a copy of the approved permit to drill including the dirt contractor. In the event any cultural resources are found during the operations all activities shall cease and the Area Manager notified of such findings.

This permit shall be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

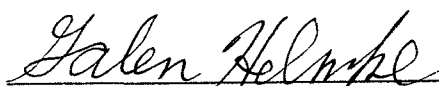
13.) Lessee's / Operators Certification:

S & M PRODUCTION P.O. BOX 2165 FARMINGTON, NEW MEXICO 87499

phone # 1-505-325-2604

home # 1-505-325-5174

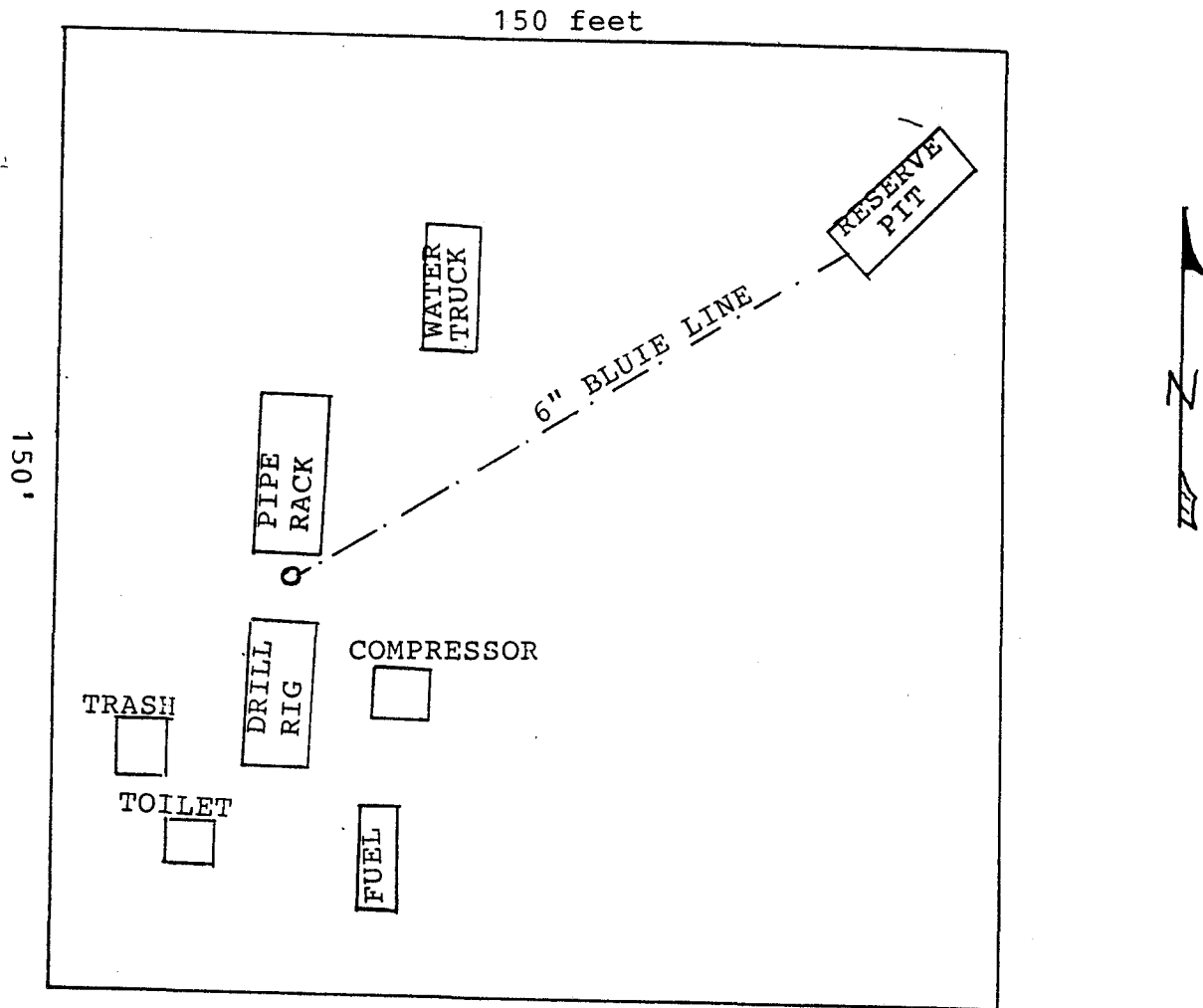
I hereby certify that the aforementioned corporation is the lessee of record and the operator of the lease/well discussed in this application. Bond coverage is presently on file with the B.L.M., I am familiar with the access route and planned activities; All the statements provided herein are true to the best of my knowledge and that all contractors involved in these operations are under my supervision and will be held accountable for their actions.



GENE SUSSEX, OWNER
GALEN HELMKE, AGENT
GRAND JUNCTION, COLO.

HOME 303-242-0581 OFF. 303-241 4213
738 25 ROAD, GRAND JUNCTION, CO.81505

S M GAS PRODUCTION
Section 4, T.20 S; R. 24 E.
Grand County, Utah



Scale 1"= 30'

3704

REGAN FORGE & ENGINEERING COMPANY

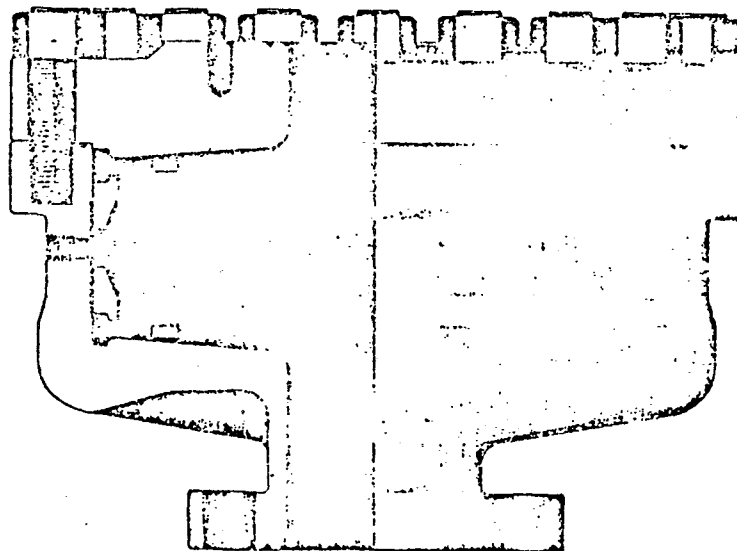
San Pedro, Calif.

REGAN BLOWOUT PREVENTERS

The Regan Torus Blowout Preventer is used primarily on production and workover rigs for well control up to 3000 PSI working pressure

DESIGN FEATURES

- The Torus Preventer is designed for minimum height to facilitate its use with production and workover rigs.
- The rubber packer will conform to any object in the well bore. Sealing ability is not affected by minor damage to the inner bore.
- The packer will seal an open hole at full working pressure.
- The dual packer design increases the reliability of the preventer since the outer rubber is never exposed to the well bore. Under ordinary service, the outer packer is rarely replaced.

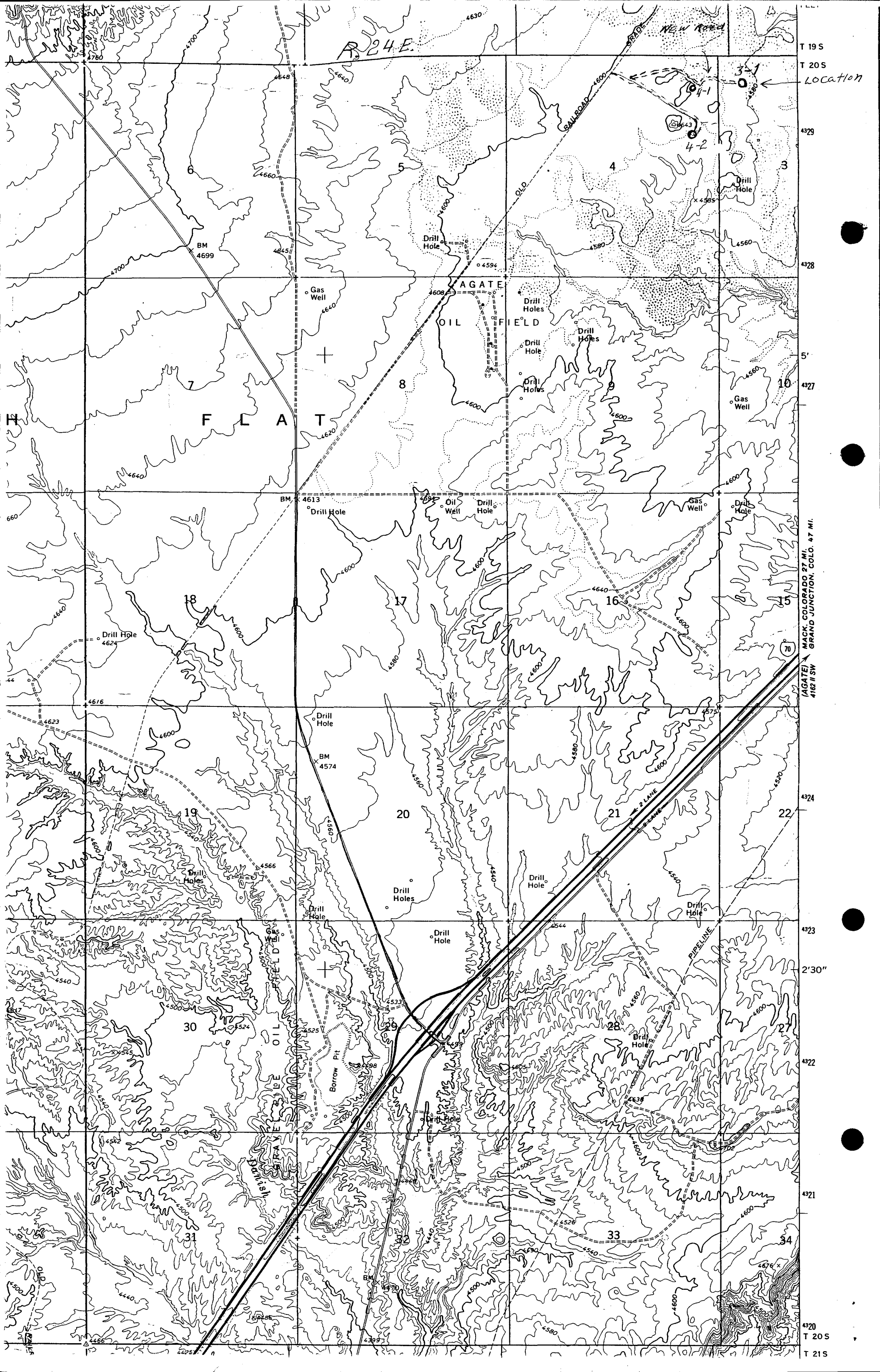


TORUS BLOWOUT PREVENTER
PATENTED

SPECIFICATIONS

Nominal Size	Test Pressure (psi)	DIMENSIONS (in.)			Weight (lb.)	End Flanges (1)	R/RX Ring Grooves	Side Outlet
		Outside Diameter	Thru Bore	Overall Height				
6	3000 4000	27 28 1/2	7 1/4 7 1/2	19 1/4 21 1/4	1360 1850	Nom. 6 Nom. 6	45 45	None 2" L.P.

(1) Bottom flange holes elongated for use with either 2000 or 3000 psi API-5B flange. (Also can be used with obsolete Ser. 400 API flange.) Top flange normally studied for 3000 psi API-5B flange unless otherwise noted.



T 19 S
T 20 S
LOCATION

(AGATE) 4182 N SW
MACK, COLORADO 27 MI.
GRAND JUNCTION, COLO. 47 MI.

2' 30"

T 20 S
T 21 S

BEFORE THE BOARD OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
IN AND FOR THE STATE OF UTAH

IN THE MATTER OF ADOPTING AMEND-)
MENTS TO FIELD RULE 1-2 AND 2-2,)
CAUSE NO. 2, NO. 102-5, AND NO.)
102-16, WHICH RULES ESTABLISHED)
WILDCAT WELL SPACING FOR THE)
SEIBER-CISCO NOSE AREA, GRAND)
COUNTY, UTAH)

FINDINGS AND ORDER

✓ CAUSE NO. 102-16B

This cause came on for hearing before the Board of Oil, Gas and Mining at 10:00 a.m. on Wednesday, September 26, 1979, in the executive Conference Room, Holiday Inn, 1659 West North Temple, Salt Lake City, Utah.

The following Board Members were present:

Charles R. Henderson, Chairman

John L. Bell, Member

Edward T. Beck, Member

Thadis W. Box, Member

Constance K. Lundberg, Member

C. Ray Juvelin, Member

E. Steele McIntyre, Member

Appearances were made as follows:

James Bowers

Damon Gilland

Dean Christensen

Don Quigley

NOW, THEREFORE, the Board having heard the testimony of the witnesses and having considered the evidence and being advised in the premises, now makes and orders the following:

FINDINGS

1. That due and regular notice of the time, place and purpose of the hearing was given to all interested parties in the form and manner and within the time required by law.
2. That the Board has jurisdiction over the matter covered by said application and over all parties interested therein and has jurisdiction to make and promulgate the order hereinafter set forth.
3. That the Dakota, Morrison and Cedar Mountain Formations underly the area under consideration.
4. That the sands of the Dakota, Morrison and Cedar Mountain Formations are lenticular in nature.

5. That most, if not all, of the operators in the area are of the opinion that it is not economically feasible to drill wells on the 40 acre or 640 acre wildcat spacing pattern as provided for in Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

6. That there is unanimity among the operators with respect to the suggested amendments to Field Rule 2-2.

IT IS THEREFORE ORDERED:

ORDER

1. That the Board's order in Cause No. 2, Cause No. 102-5, and Cause No. 102-16 is hereby revised as follows:

Field Rule 1-2 reads:

The spacing of all wells drilled for oil or gas which are within the following described area--to wit:

Township 18 South, Range 25 East
Sec: 25 through 36

Township 18 South, Range 26 East
Sec: 29 through 32

Township 19 South, Range 23 East
Sec: 19 through 36

Township 19 South, Range 24 East
Sec: All

Township 19 South, Range 25 East
Sec: All

Township 19 South, Range 26 East
Sec: 5 through 8

Township 20 South, Range 21 East
Sec: All

Township 20 South, Range 22 East
Sec: All

Township 20 South, Range 23 East
Sec: All

Township 20 South, Range 24 East
Sec: All

Township 20 South, Range 25 East
Sec: All

Township 21 South, Range 22 East
Sec: 1 through 12

Township 21 South, Range 23 East
Sec: All

Township 21 South, Range 24 East
Sec: All

and are not within a pool for which drilling units have been established shall be governed by Field Rule 2-2.

✓ Field Rule 2-2 is amended to read:

"All wells drilled for the discovery of oil and/or gas which are not within a pool, reservoir, or field for which drilling units have been established or for which a petition for establishment of a drilling unit has been filed, shall be located not less than 500 feet from any property or lease line and not less than 200 feet from the boundary of any legal subdivision comprising a governmental quarter-quarter section or equivalent lot or lots of comparable size and location, and not less than 400 feet from any oil well, or less than 1320 feet from any gas well, unless otherwise specifically authorized by the Board after notice of hearing.

Whenever an exception is granted by the Board, the Board may, at any time thereafter, take such action as will offset any advantage which the person securing the exception may obtain over the other producers in the area covered by Field Rule 1-2."

✓ All previously drilled wells and all wells drilled in the future which:

- a. are less than 660 feet from the lease or property line and are classified as gas wells or
- b. are less than 200 feet from the lease or property line and are classified as oil wells

may be offset, the same distance from the property line or a drilling unit may be established for said well if the Board of Oil, Gas and Mining, finds, after notice and a hearing that correlative rights are being violated.


* All notices of Intention of Drill must be accompanied by a plat on which is outlined the acreage covered by the lease on which the well is to be drilled.

✓ Rule 1-2 and Rule 2-2 are only applicable to wells drilled or to be drilled to a depth of 3500 feet or less.

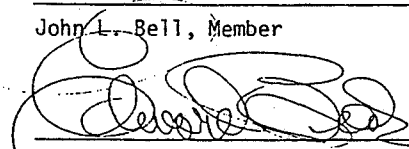
2. That the board retains continuing jurisdiction over all matters covered by this order and particularly to make further orders as may be necessary under conditions and circumstances developed in the future.

ENTERED this 15th day of November, 1979.

STATE OF UTAH
BOARD OF OIL, GAS AND MINING


Charles R. Henderson, Chairman

John L. Bell, Member


Edward T. Beck, Member

- ① 500' from lease line
- ② 200' from gtr/gtr lines
- ③ 400' from an oil well
AND
1320' from a gas well

RECEIVED

TEMPORARY

RECEIVED

LK

APR 01 1991

APPLICATION FOR WATER IN THE STATE OF UTAH

MAR 20 1991

MAR 18 1991

Rec. by _____
Fee Rec. 3000
Receipt # 30419
Sofiled _____
Roll # _____

DIVISION OF
OIL GAS & MINING

APPLICATION TO APPROPRIATE WATER

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements to Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

*WATER RIGHT NO. 01 - 1079

*APPLICATION NO. A T65232

1. *PRIORITY OF RIGHT: March 18, 1991 *FILING DATE: March 18, 1991

2. OWNER INFORMATION

Name(s): S M Gas Production *Interest: _____ %

Address: P.O. Box 2165

City: Farmington State: New Mexico Zip Code: 87499

Is the land owned by the applicant? Yes _____ No X (If "No", please explain in EXPLANATORY section.)
(Government Lease)

3. QUANTITY OF WATER: _____ cfs and/or 0.25 ac-ft.

4. SOURCE: Colorado River *DRAINAGE: _____

which is tributary to _____

which is tributary to _____

POINT(S) OF DIVERSION: _____ COUNTY: Grand

S. 2300 ft. & W. 1500 ft. from NE Cor. Sec. 3, T22S, R24E, SLB&M.

Description of Diverting Works: Portable pump to tank truck

*COMMON DESCRIPTION: 4 miles south of Cisco Big Triangle Quad

5. POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point: _____

Description of Diverting Works: _____

6. POINT(S) OF RETURN

The amount of water consumed will be _____ cfs or 0.25 ac-ft.

The amount of water returned will be _____ cfs or _____ ac-ft.

The water will be returned to the natural stream/source at a point(s): _____

7. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____

Capacity: _____ ac-ft. Inundated Area: _____ acres.

Height of dam: _____ feet

Legal description of inundated area by 40 acre tract(s): _____

* These items are to be completed by the Division of Water Rights

TEMPORARY

Appropriate

STATE ENGINEER'S ENDORSEMENT

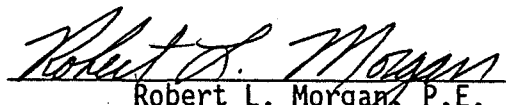
WATER RIGHT NUMBER: 01 - 1079

APPLICATION NO. T65232

1. March 18, 1991 Application received by MP.
 2. March 18, 1991 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated March 29, 1991, subject to prior rights and this application will expire on March 29, 1992.


Robert L. Morgan, P.E.
State Engineer

OPERATOR S. M. Gas Production 1-8170 DATE 4-4-91

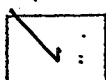
WELL NAME Unit 3-1A

SEC NW1/4 3 T 00S R 04E COUNTY Grand

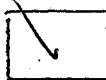
43-019-31315
API NUMBER

Individual (1)
TYPE OF LEASE

CHECK OFF:



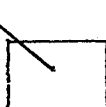
PLAT.



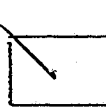
BOND



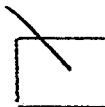
NEAREST
WELL



LEASE



FIELD
SLOM



POTASH OR
OIL SHALE

PROCESSING COMMENTS:

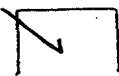
Well in sec 3 falls within cause guidelines
Water Permit 01-1079 (T05030)

APPROVAL LETTER:

SPACING: ☐ R615-2-3

NA
UNIT

☐ R615-3-2



100-10B 11-15-79
CAUSE NO. & DATE

☐ R615-3-3

STIPULATIONS:



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

April 10, 1991

S M Gas Production
P. O. Box 2165
Farmington, New Mexico 87499

Gentlemen:

Re: Govt. #3-1 Well, 600 feet from the North line, 657 feet from the West line, NW NW, Section 3, Township 20 South, Range 24 East, Grand County, Utah

Approval to drill the referenced well is hereby granted in accordance with the Order in Cause No. 102-16B dated November 15, 1979.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2
S M Gas Production
Govt. #3-1
April 10, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31315.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
J. L. Thompson
we14/1-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

S M GAS PRODUCTION

3. ADDRESS OF OPERATOR

PO BOX 2165, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

600 from north & 657 from west line Sec. 43

At proposed prod. zone

43-019-31315

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 miles north east of Cisco, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 600
(Also to nearest drig. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 1320

16. NO. OF ACRES IN LEASE

320

19. PROPOSED DEPTH

1800

17. NO. OF ACRES ASSIGNED
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4585 Gr.

22. APPROX. DATE WORK WILL START*

April 28, 1991

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	7 5/8"	32#	160	40
5 5/8"	2 7/8"	6.5#	1500	40

RECEIVED

APR 15 1991

DIVISION OF
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Helen Helms

TITLE

Geologist, Agent

DATE

March 23, '91

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

/S/ WILLIAM C. STRINGER

Assistant District Manager

APR 11 1991

APPROVED BY

TITLE

for Minerals

DATE

CONDITIONS OF APPROVAL, IF ANY:

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A

CONDITIONS OF APPROVAL ATTACHED

1/1/80

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

GLO BC
(1910)

S. 89° 47' W. (GLO)

N. 00° 13' 45" W.

S. 47° 04' E.
868'

600'

657'

LOT 4

GLO BC
(1910)

SEC. 3

T20S, R24E
SLM



1000 0 1000

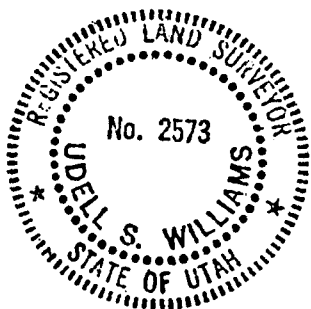
SCALE: 1" = 1000'

S&M 3-1A

Located 600 feet from the North line and 657 feet
from the West line of Section 3, T20S, R24E, SLM.

Elev. 4585

Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED
FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR
UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE
AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

Udell S. Williams
Utah RLS No. 2573



UDELL S. WILLIAMS
Professional Land Surveyor
751 Rood Avenue (303) 243-4594
Grand Junction, Colorado 81501

PLAT OF
PROPOSED LOCATION
S&M 3-1A
LOT 4 SECTION 3
T20S, R24E, SLM

SURVEYED BY: USW DATE: 3/17/91
DRAWN BY: USW DATE: 3/18/91

SM Gas Production
Well No. Govt 3-1A
NWNW Sec. 3, T. 20 S., R. 24 E.
Grand County, Utah
Lease U-15054

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that SM Gas Production is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0809 (Principal - SM Gas Production) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

A. DRILLING PROGRAM

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1 and Onshore Oil and Gas Order No. 2 and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

1. Surface casing shall have a centralizer on each of the bottom three joints.
2. Daily drilling and completion progress reports shall be submitted to the Moab District Office on a weekly basis.
3. Required verbal notifications are summarized in Table 1, attached. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.
4. A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

B. SURFACE USE PLAN

1. All site security guidelines identified in 43 CFR 3162.7-5 and ONSHORE OIL AND GAS ORDER NO. 3; SITE SECURITY will be adhered to.
2. Gas measurement will be conducted in accordance with the ONSHORE ORDER NO. 5; GAS MEASUREMENT and 43 CFR 3162.7-3.
3. Oil measurement will be conducted in accordance with ONSHORE OIL AND GAS ORDER NO. 4; OIL MEASUREMENT as of the effective date of August 23, 1989 and 43 CFR 3162.7-2.
4. All loading lines and valves will be placed inside the berm surrounding the tank battery.
5. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the Assistant District Manager.
6. Pipeline construction activity is not authorized under this permit.
7. Produced waste water will be confined to a unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the Assistant District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).
8. There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.6.
9. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
10. The dirt contractor will be provided with an approved copy of the surface use plan of operations.
11. This permit will be valid for a period of one(1) year from , the date of approval. After permit termination, a new application will be filed for approval for any future operations.
12. Copies of all water analysis required by the State of Utah in relation to surface discharge of produced water will be submitted to the Moab District Office, Bureau of Land Management.
13. Plans will be formulated for long term monitoring of aquifers and springs in the area of proposed development prior to approval of further Applications for Permit to Drill.

Company: S & M PRODUCTION
Well: 4-1.4-1.4-3.43-1A
Section: 3/4, T.20S., R24E.

ADDITIONS TO THE MULTIPPOINT
SURFACE USE PLAN
AND
RECLAMATION PROCEDURES

CONSTRUCTION:

1. The operator or his contractor will contact the Grand Resource Area Office in Moab, Utah (phone 801-259-8193) 48 hours prior to beginning any work on public land.
2. The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
3. Use of water from sources such as wells, springs, streams, or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
4. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance. Surface material will not be placed on the access road or location without prior BLM approval.

PRODUCTION

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. All of the stockpiled topsoil will be used in reclaiming the unused areas.
 2. The above-ground production facilities will be painted using the suggested color: SLATE GREY.
 3. The access will be to the design of a Class 111 road.
 4. Maximum new access travel width to each of the wells will be 15 feet. Vegetation will be left in place along the routes and driven over. Vegetation in the form of greasewood can be removed from the route to the 3-1 well. When production is determined for each well the access routes will be upgraded by adding water control structures where needed.
-
-
-
-

REHABILITATION

- 1). Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash pit/cage. Non-burnable debris will be hauled to a local dump site.
- 2). The operator or his contractor will contact the Grand Resource Area BLM office in Moab, Utah, phone (801-259-6111), 48 hours prior to starting rehabilitation work that involves earthmoving equipment and completion of restoration measures.
- 3). Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash (barrels, metal ect.) it contains must be removed from public lands.
- 4). All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
- 5). The stockpiled topsoil will be evenly distributed over the disturbed area.
- 6). All disturbed areas will be scarified with the contour to depth of six inches. Do not smooth pads out, leave a roughened surface.
- 7). Seed will be (broadcast/drilled) at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.
- 8). After seeding is complete the vegetation and soil removed from each location during construction will be scattered over the disturbed area. Each well access will be blocked to prevent any vehicle use.
- 9). Waterbars will be used on all sloping surfaces as shown below:

<u>GRADE</u>	<u>SPACING</u>
2%	200 ft. spacing
2-4%	100 ft. spacing
4-5%	75 ft. spacing
+5%	50 ft. spacing

NOTIFICATIONS

Notify Elmer Duncan of the Grand Resource Area, at
(801) 259-8193 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

50 feet prior to reaching surface casing depth;

3 hours prior to testing BOP's and surface casing.

If the person at the above number cannot be reached, then notify Fred Oneyear in the Moab District Office at (801) 259-6111 or at home (801) 259-5937 (If unsuccessful, then notify one of the following people listed below).

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the Assistant District Manager, Minerals Division.

In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed.

Dale Manchester, Petroleum Engineer	Office Phone: (801) 259-6111
	Home Phone: (801) 259-6239
Eric Jones, Petroleum Engineer	Office Phone: (801) 259-6111
	Home Phone: (801) 259-2214

If unable to reach the above individuals including weekends, holidays, or after hours please call the following:

Lynn Jackson,	Office Phone: (801) 259-6111
Chief, Branch of Fluid Minerals	Home Phone: (801) 259-7990

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS

S M GAS PRODUCTION

3- 1A

Section 3 T.20 S; R. 24 E.
660 from north & 657 from south line

GRAND COUNTY, UTAH

Elev: 4585 Gr.
4589 Kb.

Spud:
Comp: July 29, 1991

SMPLE DESCRIPTION

by

Galen Helmke

0	8	Alluvium (surface soil)
8	1050	Mancos Shale, dark marine shale, no samples examined
1050	1060	Shale dark gray
1060	1080	Shale medium gray
1080	1090	Shale gray- silty
1085		<u>DAKOTA SILT</u>
1090	1100	Shale gray silty
1100	1140	Shale dark gray silty
1140	1160	Shale gray & light gray to white bentonite
1160	1180	Shale gray & sandstone -tan fine to medium grain
1175		<u>DAKOTA SANDSTONE + 3414</u>
1180	1200	Sandstone medium grained tan with white clay cement
1200		Samples got wet at 1200
		Drilled with mud from 1202 to 1520
1200	1220	Sandstone white to light tan, S&P fine to medium grained clear quartz, with white clay cement
1220	1240	Sandstone as above poorly sorted
1240	1250	Sandstone medium grained ,well rounded clear quartz
1250	1264	Sandstone as above
1264	1270	Shale light green bentonitic
1270	1280	Shale light green & light gray bentonitic
1280	1300	Shale gray-green
1300	1307	Sandstone medium grained white & conglomeritic
1307	1320	Sandstone medium grained white with very dead oil, trace of ptridge
1320	1330	Shale gray-green & Sandstone
1330	1340	Shale green
1340	1350	Shale green & white bentonite
1359	1360	Shale green very bentonitic, trace of red shale at 1358
1358		<u>MORRISON (Brushy Basin Member)</u>
1360	1370	Shale red & green, red shale is very bentonitic
1370	1380	Shale as above

1380	1400	Shale variegated, red-green
1400	1410	Shale as above
1410	1440	Shale red
1440	1450	Shale red & sandstone fine grained clear quartz, drilled up as individual grains
1450	1460	Shale red-brown, red shale slightly silty
1460	1470	Shale red & green
1470	1480	Shale green
1480	1490	Shale as above & sandstone very fine grained light gray well rounded quartz
1490	1500	Shale red & green , siltstone gray, sandstone very fine grained. No shows on mud logger
1500	1510	As above
1510	1520	Shale green waxy
1520	1522	Shale red very bentonitic

The test was plugged and dry hole marker erected.

PLUGS: 1120 - 1230 with 18 sacks class "A" cement
 150 - 250 with 18 sacks class "A" cement
 surface with 12 sacks class "A" cement

Galen Helmke - well-site geologist

Galen Helmke

S M GAS PRODUCTION

3- 1A

Section 3 T.20 S; R. 24 E.
660 from north & 657 from ~~south~~ line

GRAND COUNTY, UTAH

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4589 Kb.

Spud:
Comp: July 29, 1991

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Galen Helmke

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1175		<u>DAKOTA SANDSTONE + 3414</u>
1180	1200	Sandstone medium grained tan with white clay cement
1200		Samples got wet at 1200
		Drilled with mud from 1202 to 1520
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 surface with 12 sacks class "A" cement

Galen Helmke - well-site geologist

Galen Helmke

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

RECEIVED

MAR 03 1992

DIVISION OF
OIL GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number S M GAS PRODUCTION 3 - 1 A GOV'T

Operator SM GAS PRODUCTION Address 2165 FRARMINGTON NM. 87499

Contractor TERRY LEECH Address MOAB, UTAH

Location NW 1/4 NW 1/4 Sec. 3 T.20 S; R24 E. County GRAND

Water Sands

DAKOTA @ 1202

	<u>Depth</u>	<u>Volume</u>	<u>Quality</u>
	From To	Flow Rate or Head	Fresh or Salty
1.	1200 1230	EST. @ 14 GALLONS PER MINUTE	SLIGHTLY SALTY
2.			
3.			
4.			
5.			

(Continue of reverse side if necessary)

Formation Tops

Remarks

NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.

(b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

RECEIVED

MAR 03 1992

DIVISION OF
OIL GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number S M GAS PRODUCTION 3 - 1 A GOV'T

Operator SM GAS PRODUCTION Address 2165 FRARMINGTON NM. 87499

Contractor TERRY LEECH Address MOAB, UTAH

Location NW 1/4 NW 1/4 Sec. 3 T.20 S; R24 E. County GRAND

Water Sands

DAKOTA @ 1202

	<u>Depth</u>	<u>Volume</u>	<u>Quality</u>
	From To	Flow Rate or Head	Fresh or Salty
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2.			
3.			
4.			
5.			

(Continue of reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

U - 15054

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

GOV'T

9. WELL NO.

3 - 1A

10. FIELD AND POOL, OR WILDCAT

GREATER CISCO

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC. 3, T. 20 S:R. 24 E.

12. COUNTY OR PARISH

GRAND

13. STATE

UTAH

19. ELEV. CASINGHEAD

4589 Kb.

23. INTERVALS DRILLED BY

0 - 1522

25. WAS DIRECTIONAL SURVEY MADE

NO

27. WAS WELL CORED

NO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CESVR. ☐ Other DRY HOLE

2. NAME OF OPERATOR

S M GAS PRODUCTION

3. ADDRESS OF OPERATOR

PO BOX 2165 FARMINGTON NEW MEXICO 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

600 from north & 657 from east line

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

42-019-31315

DIVISION OF
OIL GAS & MINING

15. DATE SPUDDED JUNE 15, '91

16. DATE T.D. REACHED JULY 27, '91

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

1522

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

NONE

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

SAMPLE LOG 900-1522; MUD LOG 1260 - 1522

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7 5/8"	32#	201	9"	CEMENTED TO SURFACE	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

NONE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Galen Helmer

TITLE WELL-SITE GEOLOGIST

DATE

Feb. 27, 1991

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP
						TRUE VERT. DEPTH
ALLUVIUM	0	6'	SURFACE SOIL			
MANCOS SH.	6'	1175	GRAY MARINE SHALE			
DAKOTA SS.	1175	1265	SANDSTONE, CARBONACEOUS SHALE & COAL	DAKOTA	1175	
CEDAR MT.	1265	1358	SANDSTONE, GREEN SHALE	CEDAR MT.	1265	
BRUSHY BASIN	1358	1522	SHALE - RED GREEN, SANDSTONES	BRUSHY BASIN	1358	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

6. LEASE DESIGNATION AND SERIAL NO.

U - 15054

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER DRY

2. NAME OF OPERATOR

S M GAS PRODUCTION

3. ADDRESS OF OPERATOR

P.O. BOX 2165 FARMINGTON, NEW MEXICO 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

600 from north & 657 from west line

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

4589 KB.

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

GOV'T ~~(BLM)~~

9. WELL NO.

3 - 1A

10. FIELD AND POOL, OR WILDCAT

GREATER CISCO

11. SEC., T., R., M., OR BLK. AND
SUBVY OR AREA

SECTION 3

T. 20 S; R. 24 E.

12. COUNTY OR PARISH 13. STATE

GRAND

UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) WELL NUMBER

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

The original location of the 3- 1 was moved to comply with spacing
regulations.

RECEIVED

APR 10 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Lester H. Hinkle

TITLE WELL SITE GEOLOGIST

DATE MARCH 18, '92

(This space for Federal or State office use)

APPROVED BY

[Signature]

TITLE

Branch of Fluid Minerals
Moab District

DATE

APR - 8 1992

CONDITIONS OF APPROVAL, IF ANY:

Asst. DHM
4-7-92

*See Instructions on Reverse Side

RECEIVED
ROAD DISTRICT OFFICE

92 FEB 11 AM 9:03

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
MANCOS	4'	1175	GRAY MARINE SHALE			
DAKOTA	1175	1260	SANDSTONE & SHALE (GREEN & GRAY) COAL			
CEDAR MT.	1260	1358	SANDSTONE & SHALE			
BRUSHY BASIN	1358	1522	SHALE RED, GREEN & SANDSTONES			
			TOTAL DEPTH 1522			

DME

8-18-92

RJF said if there are any questions regarding these, you should see him. These are not rig skids even though the well names might imply it. The company simply changed the well names in mid-stream.

DTS

At top prod. interval reported below

At total depth

DIVISION OF OIL GAS & MINING

 14. PERMIT NO.
43-019-31315

15. DATE SPUDDED
JUNE 15, 1991

16. DATE T.D. REACHED
JULY 27, 1991

17. DATE COMPLETION
JULY 27, 1991

20. TOTAL DEPTH, MD & TVD
1522

21. PLUG, BACK T.D., MD & TVD

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM
NONE

26. TYPE ELECTRIC AND OTHER LOGS RUN

SAMPLE LOG 900 - 1522 MUD

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (M)
7 5/8"	32#	202

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SAC

31. PER

NO

This API# is shown on the computer as the Govt 3-1

33.*

DATE FILED

Is it the same?

DATE OF

FLOW. TO

34. DISM

SA

35. LIST

505-305-2604
Left message
6-16-92

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

DATE

(C: GVA 2/14/92 VB) * (See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

PLICATE.
(See other instructions on reverse side)

LOG *

RECEIVED
12 1992

5. LEASE DESIGNATION AND SERIAL NO.

U- 15054

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

GOV'T

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

GREATER CISCO

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 3

T.20 S; R. 24 E.

12. COUNTY OR PARISH

13. STATE

GRAND

UTAH

19. ELEV. CASING HEAD

According to Blake Manchester of BLM this location changed prior to drilling & name was changed also. No rig skid was made.

Frank

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

PRODUCTION

lift, pumping—size and type of pump)

WELL STATUS (Producing or shut-in)

FOR MOD

OIL—BBL.

GAS—MCF.

WATER—BBL.

GAS-OIL RATIO

GAS—MCF.

WATER—BBL.

OIL GRAVITY-API (CORR.)

TEST WITNESSED BY

Reviewed For

page 2/14/92

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other In-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U- 15054

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

GOV'T

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

GREATER CISCO

11. SEC. T., R., M., OR BLOCK AND SURVEY
OR AREA

Section 3

T.20 S; R. 24 E.

12. COUNTY OR
PARISH

13. STATE

GRAND

UTAH

19. ELEV. CASINGHEAD

ROTARY TOOLS

CABLE TOOLS

LL

25. WAS DIRECTIONAL
SURVEY MADE

NO

27. WAS WELL CORED

NO

DRD

AMOUNT PULLED

URFACE

NG RECORD

1 SET (MD)

PACKER SET (MD)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR

S M GAS PRODUCTION

3. ADDRESS OF OPERATOR

P.O. BOX 2165 FARMINGTON, NEW MEXICO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 600 from north & 657 from west line

At top prod. interval reported below

At total depth

14. PERMIT NO.

43-019-31315

15. DATE SPUNDED

JUNE 15,

16. DATE T.D. REACHED

JULY 27, 1991

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS

20. TOTAL DEPTH, MD & TVD

1522

21. PLUG, BACK T.D., MD

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TO

NONE

26. TYPE ELECTRIC AND OTHER LOGS RUN

SAMPLE LOG 900 - 1522 M

28. CASING SIZE

7 5/8"

WEIGHT, LB./FT.

32#

DEPTH SE

202

29. LINER RECORD

SIZE

TOP (MD)

BOTTOM (MD)

31. PERFORATION RECORD (Interval, size and number)

NONE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

WELL STATUS (Producing or shut-in)

DATE OF TEST

HOURS TESTED

CHOKE SIZE

PROD'N. FOR TEST PERIOD

OIL—BBL.

GAS—MCF.

WATER—BBL.

GAS-OIL RATIO

FLOW, TUBING PRESS.

CASING PRESSURE

CALCULATED 24-HOUR RATE

OIL—BBL.

GAS—MCF.

WATER—BBL.

OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Reviewed For

Drainage ecj 2/14/92

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

DATE

(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other In-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U- 15054

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

GOV'T

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

GREATER CISCO

11. SEC. T., R., M., OR BLOCK AND SURVEY
OR AREA

Section 3

T.20 S; R. 24 E.

12. COUNTY OR
PARISH

13. STATE

GRAND

UTAH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

S M GAS PRODUCTION

3. ADDRESS OF OPERATOR

P.O. BOX 2165 FARMINGTON, NEW MEXICO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 600 from north & 657 from west line

At top prod. interval reported below

At total depth

14. PERMIT NO.

43-019-31315

15. DATE SPUDDED

JUNE 15, 1991

16. DATE T.D. REACHED

JULY 27, 1991

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF. RKB, RT, GR, ETC.)*

4589 Kb.

19. ELEV. CASING HEAD

20. TOTAL DEPTH, MD & TVD

1522

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.,
HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

ALL

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

NONE

25. WAS DIRECTIONAL
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

SAMPLE LOG 900 - 1522 MUD LOG 1260 - 1522

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7 5/8"	32#	202	9"	CEMENTED TO SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

NONE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

SAMPLE LOG

Reviewed For

35. LIST OF ATTACHMENTS

Drainage log 2/14/92

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Galen Kelms

TITLE

DATE

CC: GVA 2/14/92 VB* (See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Dry hole		5. LEASE DESIGNATION AND SERIAL NO. U 15054
2. NAME OF OPERATOR S M GAS PRODUCTION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. BOX 2165 FARMINGTON, NEW MEXICO, 87499		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 600 from north & 657 from west line Section 3		8. FARM OR LEASE NAME GOV'T
14. PERMIT NO.		9. WELL NO. 3-1 A
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4585 Gr. 4589 Kb.		10. FIELD AND POOL, OR WILDCAT GREATER CISCO
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 3
		12. COUNTY OR PARISH T 20 S: R 24 E
		13. STATE GRAND UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Test was drilled to 1522 feet total depth. No shows of oil or gas were found.

The test was air drilled to 1202' and mud drilled 1202 to 1522. Mud logger used 1202 to 1522.

Formation tops:

DAKOTA 1175
MORRISON (BRUSHY BASIN MEMBER) 1358

Plugs:

1120 to 1230 with 18 sacks class "A" cement
150 to 250 with 18 sacks class "A" cement
surface with 12 sacks class "A" cement

Dry hole marker erected.

RECEIVED

JUN 12 1992

DIVISION OF
OIL GAS & MINING

GALEN HELMKE
18. I hereby certify that the foregoing is true and correct
SIGNED Galen Helmke TITLE Well-site geologist DATE Nov. 16, 1991
(This space for Federal or State office use)
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side